This product complies with the RoHS Directive (EU 2002/95/EC).

MA26111

Silicon epitaxial planar type

For switching circuits

■ Features

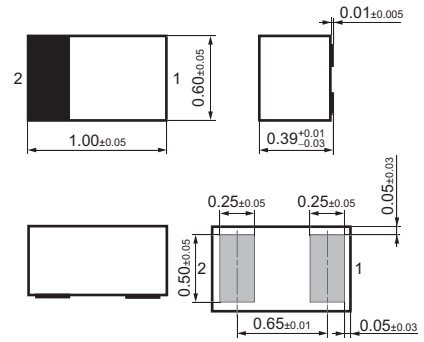
- Allowing high-density mounting
- Short reverse recovery time t_{rr}
- Small terminal capacitance C_t
- High breakdown voltage: V_R = 80 V

■ Absolute Maximum Ratings T_a = 25°C

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	80	V
Maximum peak reverse voltage	V_{RM}	80	V
Forward current	I_F	100	mA
Peak forward current	I_{FM}	225	mA
Non-repetitive peak forward surge current *	I_{FSM}	500	mA
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	–55 to +125	°C

Note) * : t = 1 s

Unit: mm



1: Anode
2: Cathode

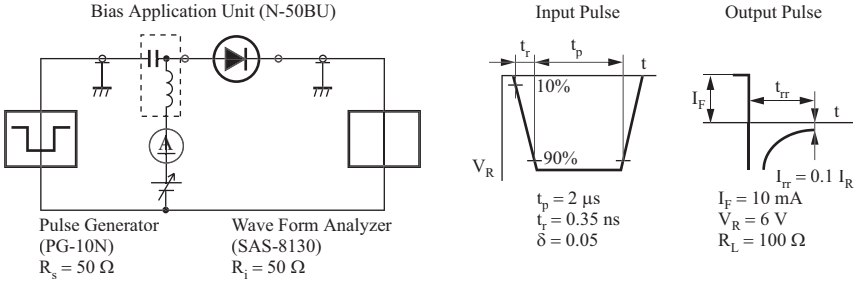
ML-2-N1 Package

Marking Symbol: 1

■ Electrical Characteristics T_a = 25°C±3°C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	I_F = 100 mA		0.95	1.2	V
Reverse voltage	V_R	I_R = 100 μA	80			V
Reverse current	I_R	V_R = 75 V			100	nA
Terminal capacitance	C_t	V_R = 0, f = 1 MHz		0.6	2	pF
Reverse recovery time *	t_{rr}	I_F = 10 mA, V_R = 6 V, I_{rr} = 0.1 I_R , R_L = 100 Ω			3	ns

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
2. Absolute frequency of input and output is 100 MHz
3. . *: t_{rr} measurement circuit



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